

JA PGT/09

CRF Errors Corrected by the STIC System Branch

Serial Number: 09/868,338

CRF Processing Date: 2/26/2002
Edited by: [Signature]
Verified by: [Signature] (STIC Staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:

- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:

- ☐ Deleted extra, invalid, headings used by an applicant, specifically:

- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically:

- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:

- ☐ A "Hard-Page-Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☒ Other: Seq 7 - inserted hard return



PCT09

RAW SEQUENCE LISTING

DATE: 02/26/2002

PATENT APPLICATION: US/09/868,338

TIME: 12:46:49

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Output Set: N:\CRF3\02262002\I868338.raw

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 2 MATSUI, KAZUHIKO
 3 NAKAMATSU, TSUYOSHI
 4 KIMURA, EIICHIRO
 5 <120> TITLE OF INVENTION: ABC TRANSPORTER AND GENE CODING FOR THE SAME
 6 <130> FILE REFERENCE: 209861US-8222-10-0-PCT
 7 <140> CURRENT APPLICATION NUMBER: US/09/868,338
 8 <141> CURRENT FILING DATE: 2001-06-18
 9 <150> PRIOR APPLICATION NUMBER: JP 10/360621
 10 <151> PRIOR FILING DATE: 1998-12-18
 11 <150> PRIOR APPLICATION NUMBER: PCT/JP 99/07079
 12 <151> PRIOR FILING DATE: 1998-12-18
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 25 <222> LOCATION: (9)..(9)
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 45 <223> OTHER INFORMATION: n = c, g, a, or t

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RAW SEQUENCE LISTING

DATE: 02/26/2002

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 99 <221> NAME/KEY: CDS

RAW SEQUENCE LISTING

DATE: 02/26/2002

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TIME: 12:46:49

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Output Set: N:\CRF3\02262002\I868338.raw

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105	1 5 10 15	
106	gga tcg cta acc ggt aac ctc agt gaa cta cgt gca caa act act ttt	96
107	Gly Ser Leu Thr Gly Asn Leu Ser Glu Leu Arg Ala Gln Thr Thr Phe	
108	20 25 30	
109	agt aca tta tgg gat acc cat aaa gaa acc tat aga gtc tcc ata gct	144
110	Ser Thr Leu Trp Asp Thr His Lys Glu Thr Tyr Arg Val Ser Ile Ala	
111	35 40 45	
112	tcc gca gca gga caa gac ttc tac ggg ctt gct gag act cta cgc act	192
113	Ser Ala Ala Gly Gln Asp Phe Tyr Gly Leu Ala Glu Thr Leu Arg Thr	
114	50 55 60	
115	atg gat agg cat ggg gaa att att ttg gca gat cgt caa tgg tta aca	240
116	Met Asp Arg His Gly Glu Ile Ile Leu Ala Asp Arg Gln Trp Leu Thr	
117	65 70 75 80	
118	gct ccc ctt gat atc ggt gca cca gtc gta tta tca aac aca act ttt	288
119	Ala Pro Leu Asp Ile Gly Ala Pro Val Leu Ser Asn Thr Thr Phe	
120	85 90 95	
121	gcc gtt gat gaa gga cta ctt gcg cca aaa gat cta ccg caa agt gac	336
122	Ala Val Asp Glu Gly Leu Leu Ala Pro Lys Asp Leu Pro Gln Ser Asp	
123	100 105 110	
124	gag atc aca ata ttg cat cct cag ttt ctg gat tcg gcc aaa gag cca	384
125	Glu Ile Thr Ile Leu His Pro Gln Phe Leu Asp Ser Ala Lys Glu Pro	
126	115 120 125	
127	gaa tta ctt ggt ttg ctg gag ttc gaa gca tcc aac tca caa gtg cca	432
128	Glu Leu Leu Gly Leu Leu Glu Phe Glu Ala Ser Asn Ser Gln Val Pro	
129	130 135 140	
130	atg cca aag atc caa agc att cca tat gat agc gaa gac tca acc aac	480
131	Met Pro Lys Ile Gln Ser Ile Pro Tyr Asp Ser Glu Asp Ser Thr Asn	
132	145 150 155 160	
133	ccc atg tct gaa gtt ttt acc tac aac att aac ctg gat agt gca gta	528
134	Pro Met Ser Glu Val Phe Thr Tyr Asn Ile Asn Leu Asp Ser Ala Val	
135	165 170 175	
136	aga aac cca atc gta gtt atc ctt ccc gca ggc tta gag ctt tta agt	576
137	Arg Asn Pro Ile Val Val Ile Leu Pro Ala Gly Leu Glu Leu Leu Ser	
138	180 185 190	
139	gat caa aat ttg tcg gct cga ctc aca cag aat agt ctg ctg ata aaa	624
140	Asp Gln Asn Leu Ser Ala Arg Leu Thr Gln Asn Ser Leu Leu Ile Lys	
141	195 200 205	
142	gac cag act ggt gtg aac gct ctt cta tcc tca gag gat tca cgc aat	672
143	Asp Gln Thr Gly Val Asn Ala Leu Leu Ser Ser Glu Asp Ser Arg Asn	
144	210 215 220	
145	tat gtg gga gct gca tcc ccg atg att gac acg tgg gaa gaa agc gtt	720
146	Tyr Val Gly Ala Ala Ser Pro Met Ile Asp Thr Trp Glu Glu Ser Val	
147	225 230 235 240	
148	gtt cgg ttg aag gaa gcg aac caa ata atc gcc ttc aac gct ttc att	768

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Input Set : N:\Crf3\02132002\I868338.raw

Output Set: N:\CRF3\02262002\I868338.raw

149 Val Arg Leu Lys Glu Ala Asn Gln Ile Ile Ala Phe Asn Ala Phe Ile
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 151 gca ttg ttc ctc acg acg act ctt gtt cta gca tac tgc act ggt att 816
 152 Ala Leu Phe Leu Thr Thr Thr Leu Val Leu Ala Tyr Cys Thr Gly Ile
 153 260 265 270
 154 tca ttt aag aaa tca aag aag act atg ggt agc gca tct act agg aaa 864
 155 Ser Phe Lys Lys Ser Lys Lys Thr Met Gly Ser Ala Ser Thr Arg Lys
 156 275 280 285
 157 tca tcc att aag agc tcg att aca gct gct aat tgt aga agt aat ttt 912
 158 Ser Ser Ile Lys Ser Ser Ile Thr Ala Ala Asn Cys Arg Ser Asn Phe
 159 290 295 300
 160 cgc ttc aat tcc gtg cgt ctg gct cgc gaa ccg cta ttt cga gcg atc 960
 161 Arg Phe Asn Ser Val Arg Leu Ala Arg Glu Pro Leu Phe Arg Ala Ile
 162 305 310 315 320
 163 tgc agc aat agc ttc aga tgc tcc ctc agc cag ata ctt aga aca tct 1008
 164 Cys Ser Asn Ser Phe Arg Cys Ser Leu Ser Gln Ile Leu Arg Thr Ser
 165 325 330 335
 166 caa ttc tat acc tcc atc act gcc gtt ggt ttt agg aat ctt aat aat 1056
 167 Gln Phe Tyr Thr Ser Ile Thr Ala Val Gly Phe Arg Asn Leu Asn Asn
 168 340 345 350
 169 cgg ttg gac ttc act ttc att ttt cag ttc gat gaa gct tcc ttt 1101
 170 Arg Leu Asp Phe Thr Phe Ile Phe Gln Phe Asp Glu Ala Ser Phe
 171 355 360 365
 172 tgaaaagagc acaca atg ata gaa atc aat gac ctc aag aaa tct ttt ggc 1152
 173 Met Ile Glu Ile Asn Asp Leu Lys Lys Ser Phe Gly
 174 370 375
 175 gtt cgg atc tta tgg caa ggt ctc agt cat aag ttt tta cca gga aca 1200
 176 Val Arg Ile Leu Trp Gln Gly Leu Ser His Lys Phe Leu Pro Gly Thr
 177 380 385 390 395
 178 atg aca gca ctg act gga gcg tcc ggt tca gga aaa tcg act ttg ctc 1248
 179 Met Thr Ala Leu Thr Gly Ala Ser Gly Ser Gly Lys Ser Thr Leu Leu
 180 400 405 410
 181 aac tgt ctt ggc aca ctt gac aaa cca agt tcc gga cag atc ctt gtc 1296
 182 Asn Cys Leu Gly Thr Leu Asp Lys Pro Ser Ser Gly Gln Ile Leu Val
 183 415 420 425
 184 gag gat gta gac ctt ctg aaa ctc tct acg cgt aag caa cgg tta tac 1344
 185 Glu Asp Val Asp Leu Leu Lys Leu Ser Thr Arg Lys Gln Arg Leu Tyr
 186 430 435 440
 187 agg aaa aat acg gtg ggc tat tta ttt caa gat tat gcc ttg att ccc 1392
 188 Arg Lys Asn Thr Val Gly Tyr Leu Phe Gln Asp Tyr Ala Leu Ile Pro
 189 445 450 455
 190 gac agg aca gtt aaa ttc aac ctt cag ctt gcg gtg gaa aaa cac aaa 1440
 191 Asp Arg Thr Val Lys Phe Asn Leu Gln Leu Ala Val Glu Lys His Lys
 192 460 465 470 475
 193 tgg cct gaa att cct caa gta ctt cat gct gtt ggt ctt gag tcg ttc 1488
 194 Trp Pro Glu Ile Pro Gln Val Leu His Ala Val Gly Leu Glu Ser Phe
 195 480 485 490
 196 gag gaa aag cca gtt ttt gaa ctc tct ggt ggc gaa caa caa cga act 1536
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DATE: 02/26/2002

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Input Set : N:\Crf3\02132002\I868338.raw

Output Set: N:\CRF3\02262002\I868338.raw

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200	Ala	Leu	Ala	Arg	Val	Leu	Leu	Lys Asn Pro Arg Ile Ile Leu Ala Asp
201		510		515		520		
202	gaa	cca	acc	gga	gct	cta	gat	tta aca aac agt gag cta gtc ata gaa 1632
203	Glu	Pro	Thr	Gly	Ala	Leu	Asp	Leu Thr Asn Ser Glu Leu Val Ile Glu
204		525		530		535		
205	gca	ttg	aga	gca	ctc	gcc	gac	aaa ggc gcc acc gtt gtt gtt gct acg 1680
206	Ala	Leu	Arg	Ala	Leu	Ala	Asp	Lys Gly Ala Thr Val Val Val Ala Thr
207		540		545		550		555
208	cac	tcg	ccc	ctc	ttc	cga	gaa	tca gcg gat acc att atc aaa cta 1725
209	His	Ser	Pro	Leu	Phe	Arg	Glu	Ser Ala Asp Thr Ile Ile Lys Leu
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211	taggtgcccc	aacttttcg	gagatctcagt	gca	atg	atg	gaa	ttc tta aac act 1779
212					Met	Met	Glu	Phe Leu Asn Thr
213								575
214	cac	cgt	ttg	att	gtt	ctc	ggg	agt ttg tct ttt cta ggg cta ggt ttc 1827
215	His	Arg	Leu	Ile	Val	Leu	Gly	Ser Leu Ser Phe Leu Gly Leu Gly Phe
216		580		585		590		
217	gcg	gaa	gtc	ctg	ctg	cgt	ggc	cag tgg tca aca ccg cag ttt ttt gtt 1875
218	Ala	Glu	Val	Leu	Leu	Arg	Gly	Gln Trp Ser Thr Pro Gln Phe Phe Val
219		595		600		605		
220	ttc	act	ttc	ttg	caa	act	ctg	ctt ctc gta ttg tgt ttt att cct aaa 1923
221	Phe	Thr	Phe	Leu	Gln	Thr	Leu	Leu Leu Val Leu Cys Phe Ile Pro Lys
222		610		615		620		625
223	ctc	tcg	gtt	cct	ttt	gtg	gtg	ctt cta agc att gcc caa ctc gcg ctt 1971
224	Leu	Ser	Val	Pro	Phe	Val	Val	Leu Leu Ser Ile Ala Gln Leu Ala Leu
225			630			635		640
226	gca	tac	ctg	tgt	att	cat	ggt	gaa cct caa agc acc agc cct ttc act 2019
227	Ala	Tyr	Leu	Cys	Ile	His	Gly	Glu Pro Gln Ser Thr Ser Pro Phe Thr
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229	tta	att	gtt	gcc	caa	atg	gcg	ttt tcg gga ttg ctc atg ttc aga ggg 2067
230	Leu	Ile	Val	Ala	Gln	Met	Ala	Phe Ser Gly Leu Leu Met Phe Arg Gly
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233	Gln	Arg	Val	Leu	Ala	Phe	Ile	Ser Ala Gly Gly Leu Ile Trp Ile Gly
234		675		680		685		
235	acc	atc	gat	cca	aca	aac	ggt	gct tgg tct cct cat gtg atg tcc gcg 2163
236	Thr	Ile	Asp	Pro	Thr	Asn	Gly	Ala Trp Ser Pro His Val Met Ser Ala
237		690		695		700		705
238	cta	gca	ctt	gcc	gta	ttc	ttt	gcg ctg tcg atg gca ctt gga cag gtt 2211
239	Leu	Ala	Leu	Ala	Val	Phe	Phe	Ala Leu Ser Met Ala Leu Gly Gln Val
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242	Leu	Arg	Ser	Lys	Val	Glu	Gln	Arg Ala Asn Leu Glu Glu Gln Ala Lys
243			725			730		735
244	att	cag	aca	gaa	ctg	cgc	aga	aaa gaa cta agc act cca tct gca tcg 2307
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VERIFICATION SUMMARY

DATE: 02/26/2002

PATENT APPLICATION: US/09/868,338

TIME: 12:46:50

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Output Set: N:\CRF3\02262002\I868338.raw

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I868338.051801



PCT09

RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/09/868,338

TIME: 07:43:08

Input Set : A:\209861us.ST25.txt

Output Set: N:\CRF3\02132002\I868338.raw

Does Not Comply
Corrected Diskette Needed

P2

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 3 MATSUI, KAZUHIKO
 4 NAKAMATSU, TSUYOSHI
 5 KIMURA, EIICHIRO
 7 <120> TITLE OF INVENTION: ABC TRANSPORTER AND GENE CODING FOR THE SAME
 9 <130> FILE REFERENCE: 209861US-8222-10-0-PCT
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 13 <141> CURRENT FILING DATE: 2001-06-18
 15 <150> PRIOR APPLICATION NUMBER: JP 10/360621
 17 <151> PRIOR FILING DATE: 1998-12-18
 19 <150> PRIOR APPLICATION NUMBER: PCT/JP 99/07079
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DATE: 02/13/2002

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TIME: 07:43:08

Input Set : A:\209861us.ST25.txt

Output Set: N:\CRF3\02132002\I868338.raw

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197 <222> LOCATION: (1759)..(2367)
199 <223> OTHER INFORMATION:
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206 gga tcg cta acc ggt aac ctc agt gaa cta cgt gca caa act act ttt      96
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208      20      25      30
210 agt aca tta tgg gat acc cat aaa gaa acc tat aga gtc tcc ata gct      144
211 Ser Thr Leu Trp Asp Thr His Lys Glu Thr Tyr Arg Val Ser Ile Ala
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214 tcc gca gca gga caa gac ttc tac ggg ctt gct gag act cta cgc act      192
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222 gct ccc ctt gat atc ggt gca cca gtc gta tta tca aac aca act ttt      288
223 Ala Pro Leu Asp Ile Gly Ala Pro Val Val Leu Ser Asn Thr Thr Phe
224      85      90      95
226 gcc gtt gat gaa gga cta ctt gcg cca aaa gat cta ccg caa agt gac      336
227 Ala Val Asp Glu Gly Leu Leu Ala Pro Lys Asp Leu Pro Gln Ser Asp
228      100      105      110
230 gag atc aca ata ttg cat cct cag ttt ctg gat tcg gcc aaa gag cca      384
231 Glu Ile Thr Ile Leu His Pro Gln Phe Leu Asp Ser Ala Lys Glu Pro
232      115      120      125
234 gaa tta ctt ggt ttg ctg gag ttc gaa gca tcc aac tca caa gtg cca      432
235 Glu Leu Leu Gly Leu Leu Glu Phe Glu Ala Ser Asn Ser Gln Val Pro
236      130      135      140
238 atg cca aag atc caa agc att cca tat gat agc gaa gac tca acc aac      480
239 Met Pro Lys Ile Gln Ser Ile Pro Tyr Asp Ser Glu Asp Ser Thr Asn
240 145      150      155      160
242 ccc atg tct gaa gtt ttt acc tac aac att aac ctg gat agt gca gta      528
243 Pro Met Ser Glu Val Phe Thr Tyr Asn Ile Asn Leu Asp Ser Ala Val
244      165      170      175
246 aga aac cca atc gta gtt atc ctt ccc gca ggc tta gag ctt tta agt      576
247 Arg Asn Pro Ile Val Val Ile Leu Pro Ala Gly Leu Glu Leu Leu Ser
248      180      185      190
250 gat caa aat ttg tcg gct cga ctc aca cag aat agt ctg ctg ata aaa      624
251 Asp Gln Asn Leu Ser Ala Arg Leu Thr Gln Asn Ser Leu Leu Ile Lys
252      195      200      205

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RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/09/868,338

TIME: 07:43:08

Input Set : A:\209861us.ST25.txt

Output Set: N:\CRF3\02132002\I868338.raw

254 gac cag act ggt gtg aac gct ctt cta tcc tca gag gat tca cgc aat 672
 255 Asp Gln Thr Gly Val Asn Ala Leu Leu Ser Ser Glu Asp Ser Arg Asn
 256 210 215 220
 258 tat gtg gga gct gca tcc ccg atg att gac acg tgg gaa gaa agc gtt 720
 259 Tyr Val Gly Ala Ala Ser Pro Met Ile Asp Thr Trp Glu Glu Ser Val
 260 225 230 235 240
 262 gtt cgg ttg aag gaa gcg aac caa ata atc gcc ttc aac gct ttc att 768
 263 Val Arg Leu Lys Glu Ala Asn Gln Ile Ile Ala Phe Asn Ala Phe Ile
 264 245 250 255
 266 gca ttg ttc ctc acg acg act ctt gtt cta gca tac tgc act ggt att 816
 267 Ala Leu Phe Leu Thr Thr Thr Leu Val Leu Ala Tyr Cys Thr Gly Ile
 268 260 265 270
 270 tca ttt aag aaa tca aag aag act atg ggt agc gca tct act agg aaa 864
 271 Ser Phe Lys Lys Ser Lys Lys Thr Met Gly Ser Ala Ser Thr Arg Lys
 272 275 280 285
 274 tca tcc att aag agc tcg att aca gct gct aat tgt aga agt aat ttt 912
 275 Ser Ser Ile Lys Ser Ser Ile Thr Ala Ala Asn Cys Arg Ser Asn Phe
 276 290 295 300
 278 cgc ttc aat tcc gtg cgt ctg gct cgc gaa ccg cta ttt cga gcg atc 960
 279 Arg Phe Asn Ser Val Arg Leu Ala Arg Glu Pro Leu Phe Arg Ala Ile
 280 305 310 315 320
 282 tgc agc aat agc ttc aga tgc tcc ctc agc cag ata ctt aga aca tct 1008
 283 Cys Ser Asn Ser Phe Arg Cys Ser Leu Ser Gln Ile Leu Arg Thr Ser
 284 325 330 335
 286 caa ttc tat acc tcc atc act gcc gtt ggt ttt agg aat ctt aat aat 1056
 287 Gln Phe Tyr Thr Ser Ile Thr Ala Val Gly Phe Arg Asn Leu Asn Asn
 288 340 345 350
 290 cgg ttg gac ttc act ttc att ttt cag ttc gat gaa gct tcc ttt 1101
 291 Arg Leu Asp Phe Thr Phe Ile Phe Gln Phe Asp Glu Ala Ser Phe
 292 355 360 365
 294 tgaaaagagc acaca atg ata gaa atc aat gac ctc aag aaa tct ttt ggc 1152
 295 Met Ile Glu Ile Asn Asp Leu Lys Lys Ser Phe Gly
 296 370 375
 298 gtt cgg atc tta tgg caa ggt ctc agt cat aag ttt tta cca gga aca 1200
 299 Val Arg Ile Leu Trp Gln Gly Leu Ser His Lys Phe Leu Pro Gly Thr
 300 380 385 390 395
 302 atg aca gca ctg act gga gcg tcc ggt tca gga aaa tcg act ttg ctc 1248
 303 Met Thr Ala Leu Thr Gly Ala Ser Gly Ser Gly Lys Ser Thr Leu Leu
 304 400 405 410
 306 aac tgt ctt ggc aca ctt gac aaa cca agt tcc gga cag atc ctt gtc 1296
 307 Asn Cys Leu Gly Thr Leu Asp Lys Pro Ser Ser Gly Gln Ile Leu Val
 308 415 420 425
 310 gag gat gta gac ctt ctg aaa ctc tct acg cgt aag caa cgg tta tac 1344
 311 Glu Asp Val Asp Leu Leu Lys Leu Ser Thr Arg Lys Gln Arg Leu Tyr
 312 430 435 440
 314 agg aaa aat acg gtg ggc tat tta ttt caa gat tat gcc ttg att ccc 1392
 315 Arg Lys Asn Thr Val Gly Tyr Leu Phe Gln Asp Tyr Ala Leu Ile Pro
 316 445 450 455
 318 gac agg aca gtt aaa ttc aac ctt cag ctt gcg gtg gaa aaa cac aaa 1440

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319 Asp Arg Thr Val Lys Phe Asn Leu Gln Leu Ala Val Glu Lys His Lys
 320 460 465 470 475
 322 tgg cct gaa att cct caa gta ctt cat gct gtt ggt ctt gag tcg ttc 1488
 323 Trp Pro Glu Ile Pro Gln Val Leu His Ala Val Gly Leu Glu Ser Phe
 324 480 485 490
 326 gag gaa aag cca gtt ttt gaa ctc tct ggt ggc gaa caa caa cga act 1536
 327 Glu Glu Lys Pro Val Phe Glu Leu Ser Gly Gly Glu Gln Gln Arg Thr
 328 495 500 505
 330 gcg ttg gcc cgg gta ctg ctc aaa aat ccc cga ata att ctg gct gat 1584
 331 Ala Leu Ala Arg Val Leu Leu Lys Asn Pro Arg Ile Ile Leu Ala Asp
 332 510 515 520
 334 gaa cca acc gga gct cta gat tta aca aac agt gag cta gtc ata gaa 1632
 335 Glu Pro Thr Gly Ala Leu Asp Leu Thr Asn Ser Glu Leu Val Ile Glu
 336 525 530 535
 338 gca ttg aga gca ctc gcc gac aaa ggc gcc acc gtt gtt gtt gct acg 1680
 339 Ala Leu Arg Ala Leu Ala Asp Lys Gly Ala Thr Val Val Val Ala Thr
 340 540 545 550 555
 342 cac tcg ccc ctc ttc cga gaa tca gcg gat acc att atc aaa cta 1725
 343 His Ser Pro Leu Phe Arg Glu Ser Ala Asp Thr Ile Ile Lys Leu
 344 560 565 570
 346 taggtgcccc aacttttcgg agatctcagt gca atg atg gaa ttc tta aac act 1779
 347 Met Met Glu Phe Leu Asn Thr
 348 575
 350 cac cgt ttg att gtt ctc ggg agt ttg tct ttt cta ggg cta ggt ttc 1827
 351 His Arg Leu Ile Val Leu Gly Ser Leu Ser Phe Leu Gly Leu Gly Phe
 352 580 585 590
 354 gcg gaa gtc ctg ctg cgt ggc cag tgg tca aca ccg cag ttt ttt gtt 1875
 355 Ala Glu Val Leu Leu Arg Gly Gln Trp Ser Thr Pro Gln Phe Phe Val
 356 595 600 605
 358 ttc act ttc ttg caa act ctg ctt ctc gta ttg tgt ttt att cct aaa 1923
 359 Phe Thr Phe Leu Gln Thr Leu Leu Leu Val Leu Cys Phe Ile Pro Lys
 360 610 615 620 625
 362 ctc tcg gtt cct ttt gtg gtg cta agc att gcc caa ctc gcg ctt 1971
 363 Leu Ser Val Pro Phe Val Val Leu Leu Ser Ile Ala Gln Leu Ala Leu
 364 630 635 640
 366 gca tac ctg tgt att cat ggt gaa cct caa agc acc agc cct ttc act 2019
 367 Ala Tyr Leu Cys Ile His Gly Glu Pro Gln Ser Thr Ser Pro Phe Thr
 368 645 650 655
 370 tta att gtt gcc caa atg gcg ttt tcg gga ttg ctc atg ttc aga ggg 2067
 371 Leu Ile Val Ala Gln Met Ala Phe Ser Gly Leu Leu Met Phe Arg Gly
 372 660 665 670
 374 caa cgg gtg ctc gct ttt atc tct gca ggt ggg ctc att tgg att ggg 2115
 375 Gln Arg Val Leu Ala Phe Ile Ser Ala Gly Gly Leu Ile Trp Ile Gly
 376 675 680 685
 378 acc atc gat cca aca aac ggt gct tgg tct cct cat gtg atg tcc gcg 2163
 379 Thr Ile Asp Pro Thr Asn Gly Ala Trp Ser Pro His Val Met Ser Ala
 380 690 695 700 705
 382 cta gca ctt gcc gta ttc ttt gcg ctg tcg atg gca ctt gga cag gtt 2211
 383 Leu Ala Leu Ala Val Phe Phe Ala Leu Ser Met Ala Leu Gly Gln Val

VERIFICATION SUMMARY

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:181 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7

I868338.051301.F03T50.BEEB886Q